DISCRETE MATHEMATICS
VOLUME 142, NUMBERS 1–3, 15 JULY 1995

CONTENTS

A. Ainouche
A common generalization of Chvátal–Erdős' and Fraisse's sufficient conditions for hamiltonian graphs 1

D. Archdeacon and D.A. Grable
The genus of a random graph 21

R.J. Chapman
Shrinking integer lattices 39

B. Gao, D.-Z. Du and R.L. Graham
A tight lower bound for the Steiner ratio in Minkowski planes 49

F. Granot and M. Penn
On the integral 4-packing of T-cuts 65

M. Gutierrez and L. Oubiña
Minimum proper interval graphs 77

P. Haukkanen
An abstract Möbius inversion formula with number-theoretic applications 87

O. Heden
Maximal partial spreads and the modular n-queen problem II 97

M.A. Henning
Irredundance perfect graphs 107

C.T. Hoàng
Hamiltonian degree conditions for tough graphs 121

M. Katchalski, W. McCuaig and S. Seager
Ordered colourings 141

G.T. Kennedy and V. Pless
A coding theoretic approach to extending designs 155

J. Körner
Intersection number and capacities of graphs 169

X. Lu
A Hamiltonian game on $K_{n,n}$ 185

X. Qing
Reversible $(m, n, k, \lambda_1, \lambda_2)$-abelian divisible difference sets with $k - \lambda_1$ nonsquare 193

L. Smithline
Bandwidth of the complete k-ary tree 203

R. Sprugnoli
Riordan arrays and the Abel–Gould identity 213

S. Stahl
Bounds for the average genus of the vertex-amalgamation of graphs 235

DISCRETE MATHEMATICS
VOLUME 142, NUMBERS 1–3, 15 JULY 1995

CONTENTS

A. Ainouche
A common generalization of Chvátal–Erdős' and Fraisse's sufficient conditions for hamiltonian graphs 1

D. Archdeacon and D.A. Grable
The genus of a random graph 21

R.J. Chapman
Shrinking integer lattices 39

B. Gao, D.-Z. Du and R.L. Graham
A tight lower bound for the Steiner ratio in Minkowski planes 49

F. Granot and M. Penn
On the integral 4-packing of T-cuts 65

M. Gutierrez and L. Oubiña
Minimum proper interval graphs 77

P. Haukkanen
An abstract Möbius inversion formula with number-theoretic applications 87

O. Heden
Maximal partial spreads and the modular n-queen problem II 97

M.A. Henning
Irredundance perfect graphs 107

C.T. Hoàng
Hamiltonian degree conditions for tough graphs 121

M. Katchalski, W. McCuaig and S. Seager
Ordered colourings 141

G.T. Kennedy and V. Pless
A coding theoretic approach to extending designs 155

J. Körner
Intersection number and capacities of graphs 169

X. Lu
A Hamiltonian game on $K_{n,n}$ 185

X. Qing
Reversible $(m, n, k, \lambda_1, \lambda_2)$-abelian divisible difference sets with $k - \lambda_1$ nonsquare 193

L. Smithline
Bandwidth of the complete k-ary tree 203

R. Sprugnoli
Riordan arrays and the Abel–Gould identity 213

S. Stahl
Bounds for the average genus of the vertex-amalgamation of graphs 235

A.H. Zemanian
Connectedness in transfinite graphs and the existence and uniqueness of node voltages 247

Notes

F.W. Barnes
Best packing of rods into boxes 271

G.-G. Gao and G. Hahn
Minimal graphs that fold onto K_n 277

M. Krivelevich
On a conjecture of Tuza about packing and covering of triangles 281

C.D. Maranas, C.A. Floudas and P.M. Pardalos
New results in the packing of equal circles in a square 287

H. Mizuno and I. Sato
Characteristic polynomials of some graph coverings 295

Author index to volume 142 299